Barcelona Supercomputing Center
Centro Nacional de Supercomputación

EXCELENCIA SEVERO OCHOA

CALIOPE Mobile EU

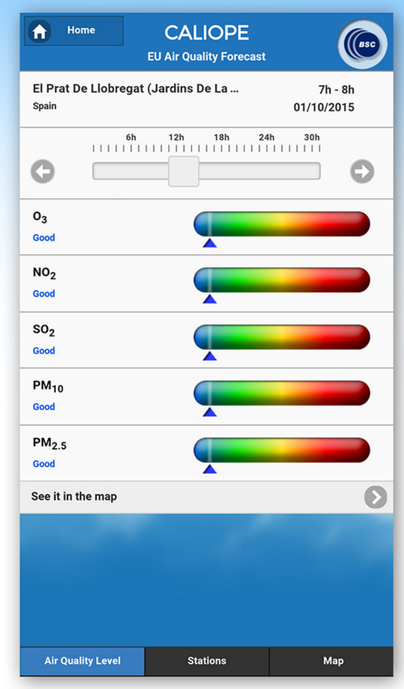
AIR QUALITY FORECAST

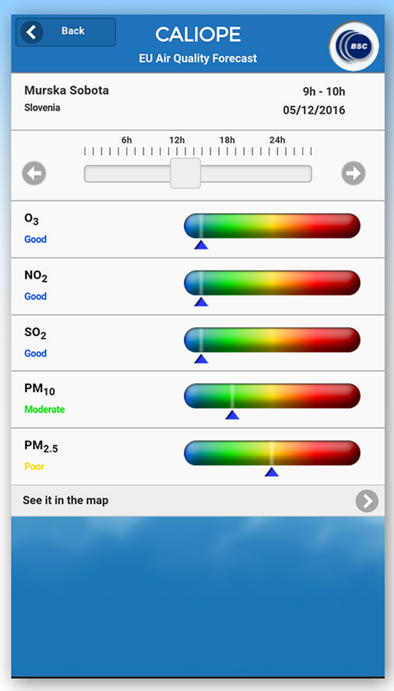
www.bsc.es/caliope

MYGEOSS
APPS FOR YOUR ENVIRONMENT

Air quality values

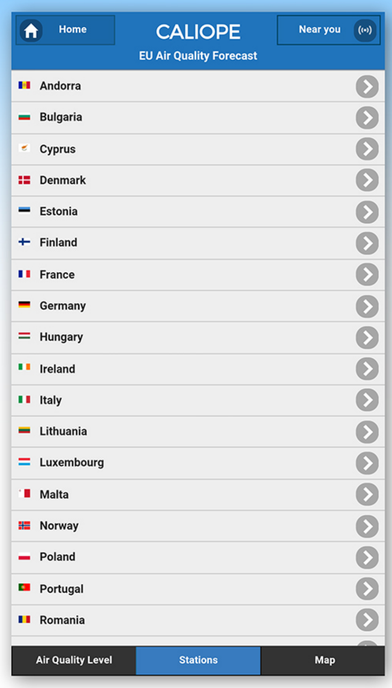
- 48-hour air quality forecast from over than 2,000 stations over Europe.
- Qualitative indexes for the 5 main pollutants.
- Plan your daily activities, specially sporting ones, by looking at your nearest station values and using the slider to move in time.





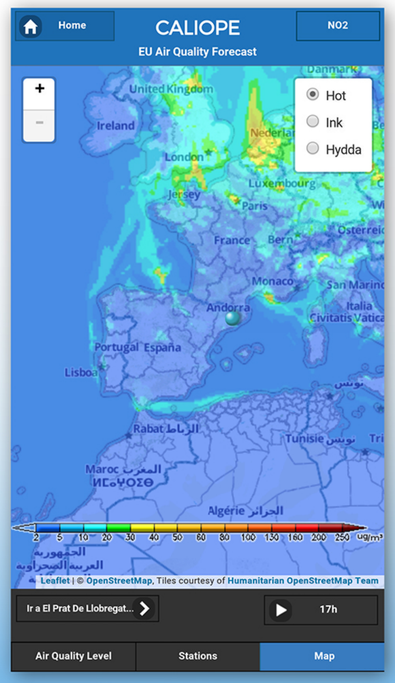
Stations

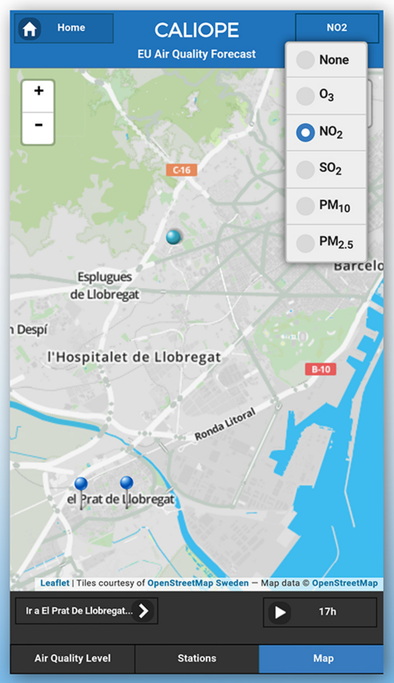
- Find stations of your interest using the list view.
- Access your nearest stations forecast by activating the geolocation service in your device…
- Or use the filter feature and explore the available stations by country.



Map Layers

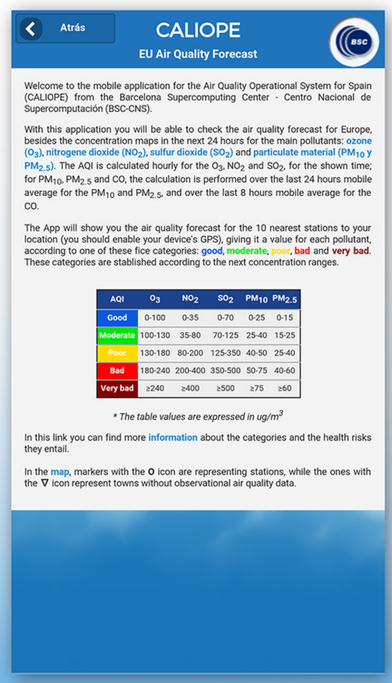
- Navigate through the map and visualize overlays for the different pollutants.
- Push the play button and see the pollutant layer animate through the 48 hour forecast period.
- Switch among different map providers and choose the best adapted to your needs.

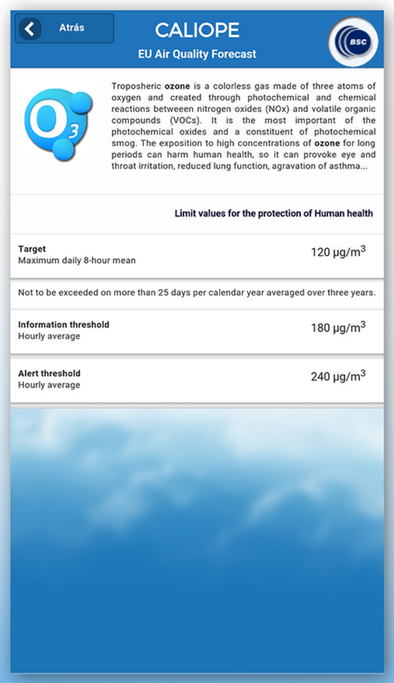




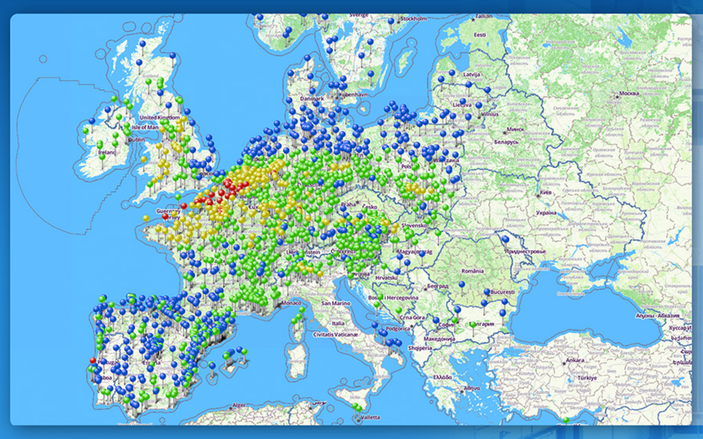
Information

- Learn about the different pollutants and understand their human health risks.
- Get limit values for health protection for each one of the 5 main pollutants.
- Find information on the air quality indexes and know what each category represents.





MARENOSTRUM III SUPERCOMPUTER



3,056 compute nodes, 48,896 processor cores
1.1 petaFLOPS peak performance
115.5 TB of main memory
3 PB of disk storage
Infiniband FDR10 network

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